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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : **Ralph C. LONGSWORTH**
Serial No. : **concurrently herewith**
Filed : **concurrently herewith**
Title : **PULSE TUBE COOLING BY CIRCULATION OF
BUFFER GAS**

July 2, 2004

Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

S I R:

Prior to examination please amend the application as follows: